JÅ Driv

Seoeun Plant Engineering Att.: Mr. Y.G.Kim / CEO 711 ho, Sung Ji Building, 245-3 Seohyeon-dong, Bundang-gu Gyeonggi-do 463-824 DNV KOREA LTD.
Korea and Japan
Seoul & Mokpo CMC & VIO
Seoul Project Office
5F Sukjung Bldg.,
1544-3 Seocho-dong, Seocho-Gu
Seoul 137070
Panyablic of Korea

Republic of Korea Tel: +82 2 734 7328 Fax: +82 2 739 9069 http://www.dnv.com Reg. No.: 101-81-65533

Your ref.:

Our ref.:

TPKKR165/CYY/D33422-J-180

Date:

2013-07-04

Reference is made to your letter dated 2013-06-25. The following document is stamped 2013-07-02 and given the status as shown below:

Drawi	ng No.	Rev.	DNV No.	Title	Code	Status
VMWWE230V573M		184	Air Reservoir	641.31, 699	Appr.w/comm	
General Comments				Status		
	The air reservoir is approved in accordance with DNV Rules for Ships Pt.4					For Inf.
54						i or iii.
	Ch.7 July 2012 with the following main data:					
	1) Main Air					
	- Class : I		22.261			
	- Design pressure : 32.36 barg - Design temperature : 50 Degree C					
			_	ee C		
	- Operatir	ig mediui	m : Aır			
	2) Aux. Air	reservoir				
	- Class : I	I				
	- Design	oressure :	32.36 barg			
	- Design t	emperatu	ire: 50 Degr	ee C		
	- Operatir	ng mediu	m : Air			
55	Regarding the material for pressure vessels, impact tests shall be carried out					For Inf.
	and the impact	energy v	alues should	comply with DNV rules	s Pt.2 Ch.2 Sec.2.	
56	Regarding the head and the manhole neck of air reservoirs, the plastic					Pending
	deformation shall be checked in accordance with the rule Pt.2 Ch.3 Sec.6					
	E200 and Pt.4	Ch.7 Sec	.8 C200. If it	t is not acceptable, the he	eat treatment shall	

be carried out and to be confirmed by an attending surveyor.